



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5090-3

Job Sheet 197309



36 DAS 21 9-89

Part No: D5090-3

Job Qty: 40 pcs

Part Name: Bracket



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/4/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 8/12/19

Description:

Note: D5090 REV:D SHEETS 3,4,5 IPP REV:A 14.06.18 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Waterjet - Flow - 1	40 pcs		8/12/19	0.17	3.97	Waterjet - Flow	9/26/19	JRB
120	QC 8	40 pcs		8/12/19	0.00	0.00	QC 8 - 12		
							QC 8 - 14		
							QC 8 - 17		
							QC 8 - 20		
							QC 8 - 25		
							QC 8 - 3		
							QC 8 - 32		
							QC 8 - 33		
							QC 8 - 35		
							QC 8 - 39		
							QC 8 - 4		
							QC 8 - 44		
							QC 8 - 45		
							QC 8 - 49		
							QC 8 - 58		
							QC 8 - 8		
							QC 8 - 9		
							QC 8 - 68		
							QC 8 - 67		
							QC 8 - 1 (A)		
							QC 8 - 47		
							QC 8 - 40		
							QC 8 - 52		
							QC 8 - 23		
							QC 8 - 57		
130	Small Fab - Brake NC - B4B	40 pcs		8/12/19	0.25	2.07	Small Fab - Brake - 1 - B4B		
							Small Fab - Brake - 2 - B4B		
							Small Fab - Brake - 3 -		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com



Container No: S218066

Part: D5090-3

Job No: 197309

Serial No/Batch: S218066

Revision: D

Inspector:

Exp Date:

Instructions: Various STC's

Date: 08/28/19

PRIORITY

DAS

40

9-89

OCT 3 0 2019

OCT 01 2019

Plex 7/4/19 11:17 AM Dart.lajeunesse.marie

140 QC 5	40 pcs	8/12/19	0.00 0.00	B4B	
				QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
				QC 5 - 40	
150 Handfinish - 1-1 Chemical-B4B	40 pcs	8/12/19	0.00 2.37	Handfinish - 1 - 1 - B4B	
				Handfinish - 1 - 2 - B4B	
				Handfinish - 1 - 3 - B4B	
				Handfinish - 1 - 4 - B4B	
				Handfinish - 1 - 5 - B4B	
				Handfinish - 1 - 6 - B4B	
				Handfinish - 1 - 7 - B4B	
				Handfinish - 1 - 8 - B4B	
				Handfinish - 1 - 9 - B4B	
				Handfinish - 1 - 10 - B4B	
				Handfinish - 1 - 11 - B4B	
				Handfinish - 1 - 12 - B4B	
				Handfinish - 1 - 13 - B4B	
				Handfinish - 1 - 14 - B4B	
				Handfinish - 1 - 15 - B4B	
				Handfinish - 1 - 16 - B4B	
				Handfinish - 1 - 17 - B4B	
				Handfinish - 1 - 18 - B4B	
				Handfinish - 1 - 19 - B4B	
				Handfinish - 1 - 20 - B4B	
				Handfinish - 1 - 21 - B4B	
				Handfinish - 1 - 22 - B4B	
160 QC 7	40 pcs	8/12/19	0.00 0.00	QC 7 - 10	
				QC 7 - 13	
				QC 7 - 14	
				QC 7 - 15	
				QC 7 - 17	
				QC 7 - 18	
				QC 7 - 19	
				QC 7 - 2	
				QC 7 - 28	
				QC 7 - 3	
				QC 7 - 30	
				QC 7 - 34	
				QC 7 - 36	
				QC 7 - 37	
				QC 7 - 41	
				QC 7 - 47	
				QC 7 - 48	
				QC 7 - 51	
				QC 7 - 58	

DAS

40

9-89

OCT 02 2019

OCT 03 2019

DAS

58

0.00

OCT 03 2019

				QC 7 - 59	
				QC 7 - 60	
				QC 7 - 9	
				QC 7 - 68	
				QC 7 - 50	
				QC 7 - 67	
				QC 7 - 40	
				QC 7 - 24	
				QC 7 - 43	
				QC 7 - 61	
				QC 7 - 81	
190 Packaging 3-1 - Stock - B4B	40 pcs	8/12/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
200 QC 21 - SA	40 pcs	8/12/19	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 100 - 1-Cut as per Dwg Prog Rev: D 2-Debur as required

Descriptions: 120 - (QC8- Inspect parts - second check)

130 - (Bend/Assemble as per dwg)

140 - (QC5- Inspect part completeness to step on W/O)

150 - (Chemical Conversion Coat per QSI005 4.1)

160 - (QC7-Inspect Chemical Conversion Coat)

190 - (Identify as per dwg & Stock Location: _____)

200 - (QC21- Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
M6061T6S.040	6061-T6 .040 Sheet	66,8000 sf (1.67 ea)	100-Waterjet - Flow - 1	5148582x12 5190195x24

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Waterjet - Flow - 1	M6061T6S.040	67	401	0

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Bracket	0.129Inches + 0.005 - 0.001	0.134 0.128	Diameter	
2	Bracket	0.840Inches ± 0.030	0.870 0.810		
3	Bracket	0.520Inches ± 0.030	0.550 0.490		
4	Bracket	0.375Inches ± 0.010	0.385 0.365		
5	Bracket	0.875Inches ± 0.010	0.885 0.865		
6	Bracket	0.790Inches ± 0.030	0.820 0.760		
7	Bracket	0.950Inches ± 0.030	0.980 0.920		
8	Bracket	4.620Inches ± 0.030	4.650 4.590		
9	Bracket	5.580Inches ± 0.030	5.610 5.550		
10	Bracket	17.540Inches ± 0.030	17.570 17.510		
11	Bracket	0.040Inches ± 0.030	0.070 0.010		

Plex 7/4/19 11:17 AM Dart.lajeunesse.marie

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE



NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION Rework ☐ ☐ ☐ Scrap ☐ ☐ ☐ Use-as-is ☐ ☐ ☐		DEPARTMENT/PROCESS Skid-tube Machining ☐ ☐ ☐ Large Fab ☐ ☐ ☐ Cross tube Small Fab ☐ ☐ ☐ Finishing ☐ ☐ ☐ Eng. (Non-AW) Prod. Eng. Coord. ☐ ☐ ☐ Rec/Store/Packaging ☐ ☐ ☐ Engineering ☐ ☐ ☐ Water Jet ☐ ☐ ☐ Supplier ☐ ☐ ☐ Quality ☐ ☐ ☐		MRB (QS1042) ☐ ☐ ☐																													
Date: _____		Sequence #: _____		QTY Affected: _____		MRB (QS1042)																													
Description Work Order Deviation				Disposition																															
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐				FAULT CATEGORY <table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table> Other/Details: _____				Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong	Bending	Misaligned/off center	Folio/Program	Outside Tolerance	Crushing	BOM/Route	Grain Direction	Drawing	Cracks	Broken/Damage/Defect	Weld	Finish	Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing	Marks/Chatter	Drill Holes	Out of Sequence	Misread	Mislabeled	Fit/Function	Off-set/Set-up	
								Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong																								
								Bending	Misaligned/off center	Folio/Program	Outside Tolerance																								
Crushing	BOM/Route	Grain Direction	Drawing																																
Cracks	Broken/Damage/Defect	Weld	Finish																																
Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing																																
Marks/Chatter	Drill Holes	Out of Sequence	Misread																																
Mislabeled	Fit/Function	Off-set/Set-up																																	
Completed By _____				Lead hand / Supervisor _____																															
				QC / QA Coordinator _____																															